

Signing for Horizontal Curves

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Horizontal Curve Warning Signs

- **First Component: Installing Signs**

- Per the IMUTCD (shown in Table 2C-5)- All that is Required & Recommended
- Addresses
 - Old or missing signs
 - Incorrect signs

- **Signs include:**

- Advance warning w/advisory speeds
- Chevrons/Large Arrows
- Exit ramp speed advisories



Signs

- **Advanced Warning w/Advisory Speed**

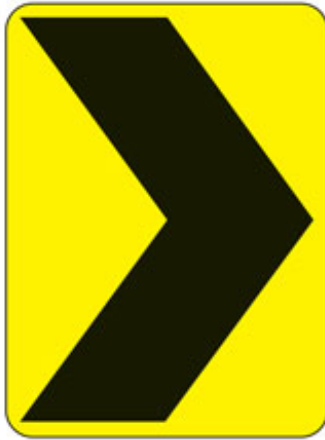


For all Curves

Advisory speeds checked
by driving curve with
ball bank indicator

Signs

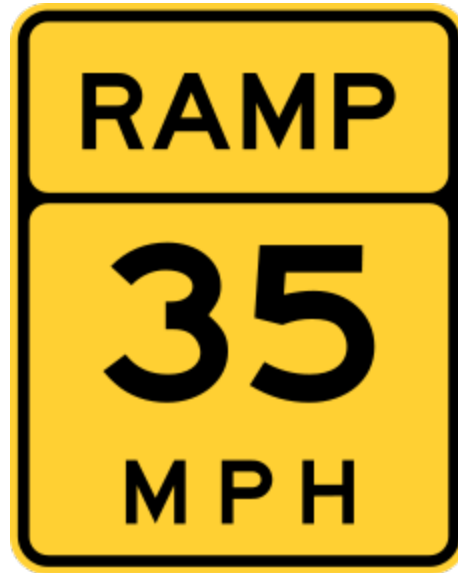
■ Chevrons/Night Arrows



- Curves w/ advisory speeds at least 10 mph below speed limit
- Chevron spacing per IMUTCD Table 2C-6
 - Varies from 40 ft to 200 ft
 - Based on curve radius & advisory speed

Included Signs

- Exit Speed/Ramp Speeds



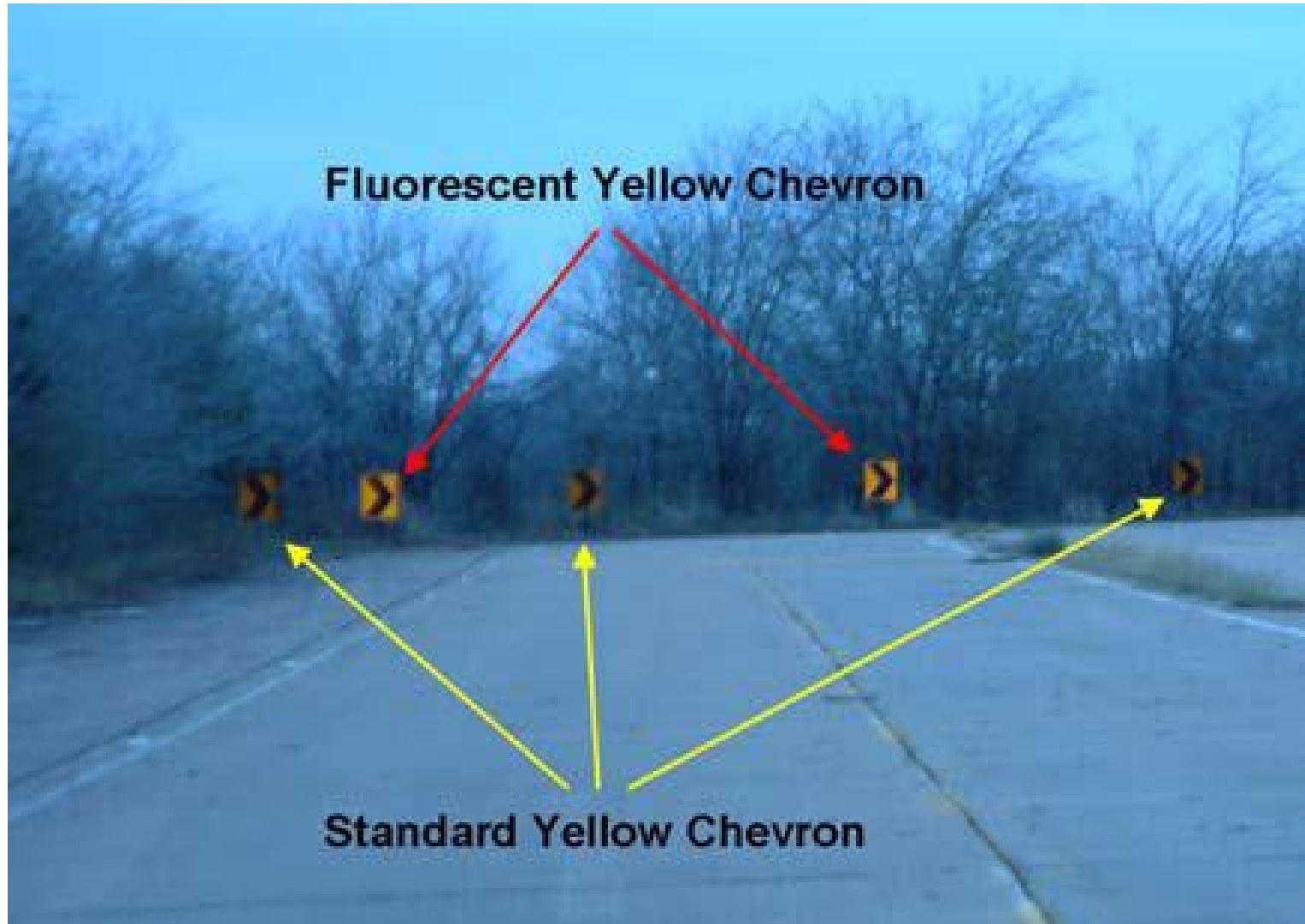
Speeds also checked by driving curve with ball bank indicator

Enhanced Sheeting

- **Second Component- Fluorescent Yellow Sheeting**
 - Fluorescence – more light reflects back to driver/ signs are easier to see
 - Benefits noted for
 - Poor visibility conditions
 - Older Drivers
 - Available in Type VIII, IX, and XI sheeting (INDOT Approved Materials)



Fluorescent vs. Non Fluorescent





INDOT's Plan

■ Installation

- Generally through Construction Projects, FY 18
- Some by INDOT maintenance

■ Plans- INDOT and Consultant

■ Curves Identified by:

- Sign Inventory
- INDOT Videolog
- Google maps

■ All in all about 15000 signs will be added or upgraded



Benefits to INDOT

- **FHWA compliance date – 12/31/19**
 - Note: fluorescent sheeting is optional per the FHWA
- **Reducing Crashes/Saving Lives**
 - Reduction expected to be about 25%
 - For the state system alone this means many motorist will be saved through the life of the signs!



Contact Info

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